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## CURRICULUM VITAE

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<b>PRESENT POSITION:</b>	Senior Scientist; Leader, Advanced Survey Technologies Program / Supervisory Ocean Acoustics Engineer / 0801 / ZP-5 Step 3
<b>EDUCATION:</b>	1994 – Ph.D., Electrical and Computer Engineering / Applied Ocean Science, UCSD / Scripps Institution of Oceanography (SIO), La Jolla, CA  1986 – B.S., Electrical and Computer Engineering, University of Arizona, Tucson, AZ
<b>EXPERIENCE:</b>	2010 to date – Senior Scientist; Leader, Advanced Survey Technologies Program, Fisheries Resources Division, Southwest Fisheries Science Center, La Jolla, CA  1999 to 2010 – Leader, Advanced Survey Technologies Program, Fisheries Resources Division, Southwest Fisheries Science Center, La Jolla, CA  2007 to 2011 – Research Associate, Integrative Oceanography Division, Scripps Institution of Oceanography, La Jolla, CA  2000 to present – Research Associate, Marine Physical Laboratory, Scripps Institution of Oceanography, La Jolla, CA  1990 to 1999 – Research Engineer, Antarctic Ecosystems Research Division, Southwest Fisheries Science Center, La Jolla, CA  1988 to 1989 – Leader, Sort-Visual Laboratory, Yield Analysis Engineering, Fabrication Facility Number 7, Intel Corporation, Rio Rancho, NM

1987 to 1988 – Product Engineer, Yield Analysis Engineering, Fabrication Facility Number 7, Intel Corporation, Rio Rancho, NM

1985 to 1987 – Research Technician, Microelectronics Laboratory, University of Arizona, Tucson, AZ

**RESEARCH INTERESTS:** Development of marine and riverine sampling instruments and methods, and their applications in acoustic-trawl and acoustic-optical investigations of zooplankton and fish stocks, predator-prey interactions, and ecosystems.

**HONORS AND AWARDS:** 2014 – Led design and conduct of first sardine-hake survey; NOAA Gold Medal to SWFSC

2014 – ICES Service Award, Chair, SG Calibration of Acoustic Instruments, 2010 to 2014

2011 – Twenty-year service award, NMFS/SWFSC

2010 – Unit Citation for Deep Water Horizon Acoustic Monitoring

2008 – NOAA Fisheries Service Bronze Medal Award for Superior Federal Service

2006 – NOAA Fisheries Service Employee of the Year Award

2006 – ICES Service Award, Chair WG Fisheries Acoustic Science and Technology, 2004 to 2006

2006 – Fifteen-year service award, NMFS-SWFSC

2006 to 2007 – Exceptional contribution awards, NMFS-SWFSC-PRD

2001 – Ten-year service award, NMFS-SWFSC

2000 to 2009 – Special Act Awards and bonuses, NMFS-SWFSC

1995 – Superior Qualifications Appointment, NMFS-SWFSC

1993 to 1999 – Certificates of Recognition, high level of performance, NMFS- SWFSC

1991 – Antarctica Service Medal, National Science Foundation, Secretary of the Navy

1989 to 1994 – Hertz Foundation Fellowship recipient, UCSD-SIO

**PUBLICATIONS:**

R.P. Hewitt and D.A. Demer. 1991. Krill abundance, *Nature*. 353: 310.

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